INSTRUMENTS
ACCESSORIES
LASERS
SAFETY & DETECTION
TRAINING
FLEET MANAGEMENT

CHANTON
Survey & Laser

Sales · Hire · Service

chanton.co.uk

CHANTON

Our team is your strength

INTRODUCTION

Chanton has been established for over 40 years, providing surveying instruments and lasers for sale and hire together with service, repair calibration and technical support in the construction industry.

Chanton Group divisions include:

- Land and Engineering Surveys
- Supply of Engineers and Managers
- Supply of Tradesmen & Labour
- Survey & Laser Equipment
- Training in Setting Out & Surveying procedures

TOPCON

Leica Geosystems

SOKKIA

PLS

Trimble

BOSCH

Survey and Laser Sales

Chanton Survey & Laser services are recognised as one of the leading-providers of surveying equipment to the construction and allied industries. Chanton offers a full comprehensive range of modern, reliable and accurate surveying instruments and lasers from a range of manufacturers to meet every requirement.

Chanton Survey is run by experienced and qualified professionals who have been in the business for over 40 years. They understand the construction and surveying business and can advise and demonstrate the equipment to all prospective purchasers.

Lease Purchase

We offer attractive interest rates to purchase new equipment and spread the cost over a number of years. This has the benefit of easing cash flow with the added benefit of allowing you to own the equipment.

Guarantee of Satisfaction

Instruments and accessories are covered by manufacturers warranty with certificates of conformity to ISO 9001-8

Fleet Management

Chanton Survey can offer a cost effective solution to manage your own equipment and can be tailored to suit your needs. For full details of this service please contact our hire fleet management team.

Service and Repair Department

Chanton Survey and laser offer excellent service and repair facilities for all types of surveying and laser equipment. All our technicians are fully qualified to carry out any repair work and calibration as requested.

Instrument Hire Service

The Latest Technology at your Fingertips.

Chanton Survey Hire Fleet consists of a range of top quality equipment from various manufacturers to ensure that you have all the benefits of the latest technology.

Our national hire service is available and ensures an efficient and simple operation to supply a wide range of surveying equipment and lasers for your setting out and survey needs.

All our equipment is serviced and calibrated by our in-house technicians to ensure that it is in perfect working order before being delivered to our customers.

A full service history is kept of each piece of equipment and each one is issued with a certificate of conformity to manufacturers specification before dispatch.

Our hire rates are based on a five day week exclusive of weekends. However long term hire arrangements can be negotiated if required. The minimum hire period is one week and daily thereafter. Statutory holiday periods are not charged.

TO PLACE AN ORDER

London HO

Phone: 0 208 900 9022
Fax: 0208 900 9055/1955

Chanton House,
498 Sunleigh Road, Alperton,
Middlesex, HA0 4PT

Southern

Phone: 01306 732370
Fax: 01306 743299

Unit 6, Tillingbourne Court
Station Road, Dorking Business Park,
Dorking, Surrey, RH4 1HJ

Midlands

Phone: 01530 518800
Fax: 01530 518801

Brunel Way
Stephenson Industrial Estate
Coalville, Leicestershire
LE67 3HF

Shop on-line

www.chanton.co.uk

For more information email:
sales@chanton.co.uk

CHANTON SURVEY & LASER

Chanton Survey & Laser has grown from strength to strength and is a major supplier of Survey Instruments, Lasers and Accessories to the Building and Civil Engineering Industries.

Chanton has developed a strong partnership with some of the best surveying and laser manufacturers in the market to bring you the best instruments and the best service at all times.

These collaborations ensure our customers benefit from a faster and more efficient service, as well as the professional expertise of Chanton's Technical Support Team.

Chanton can service our customers throughout the Midlands; London and the Home Counties; through to Kent and the South of England.

Chanton Survey & Laser services include:

- High tech collimators and oscilloscopes are used for the repair and calibration of our survey instruments
- Services and calibrations are carried out according to manufacturers' specifications.
- A Certificate of Conformity is issued in accordance to ISO 9001.
- A fast Collection and Delivery Service is Available

OVER FORTY YEARS 40 OF STRENGTH

Our Team is Your Strength!

Chanton offer additional services within the Group

- Site Engineers and Technical Staff
- Site Management
- Tradesmen and Labour Hire
- Land & Engineering Surveys
- Technical training

Chanton is delighted to be able to offer the above services to both new and existing clients. Please call for Quotations and Prices on all equipment and Services.

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SALES & HIRE

- LEVELS
- THEODOLITES
- TOTAL STATIONS
- LASERS
- PIPE LASERS

- MACHINE CONTROL
- G.P.S SYSTEMS
- SAFETY DETECTION AND MONITORING EQUIPMENT

- ALL EQUIPMENT FULLY CHECKED & CALIBRATED
- NEXT-DAY NATIONWIDE DELIVERY
- PHONE SUPPORT AVAILABLE
- GREAT RATES

Call Now

(London) 020 8900 9022
(Midlands) 01530 518800
(Southern) 01306 732370

Optical & Digital Levels

Automatic Engineering Levels

Chanton offer a range of Automatic Levels for all Engineering and Construction requirements.

With superior water proofing properties, easy to read horizontal circle (degrees) for specific directional turning, these levels are intended for use by land surveyors, civil engineers and contractors.

South NL Series Engineers Levels

Excellent Shockproof function with Patent. Totally sealed structure for use in any weather. Exclusive closed magnetic field, magentically-damped compensator. Reflector-type circular vial observation.

Features:
- Good grip focusing knob
- Easy read horizontal circle
- Mirror to visualize the leveling bubble
- Sealed,dust-protected leveling screws
- Built well to use in different conditions
- 5/8" x 11 threads to fit major tripods
- Available in 360 degrees
- Excellent shockproof function

Code	NL24	NL28
	2.0mm	1.5mm

CST / Berger Auto Level

Designed for the contractor, surveyor, or engineer who demands accurate leveling every time!!
2 Models available - 24x, 28x Magnifications
2 mm + 1.5mm Acurracy

Features
- Large effective aperture and minimum focus of 1 foot (0.3m)
- Top-mounted optical peep-sight for quick reference
- Large, easy-to-use precise focusing knob
- Easy-to-read horizontal circle
- Right angle prism for easy bubble viewing

Leica Runner 24x Automatic Level

The Leica Runner 24 dumpy level is a robust, budget-priced construction level. They are quick to set up, simple to use and accurate, with clear, bright optics for easy readings. The Leica Runner 24 can be offered as complete leveling package with the optional sturdy aluminium tripod and telescopic 5m, 5 section leveling staff.

Robust and accurate:

- Air-damped compensator
- Water resistant (IP55)
- Double-sided endless fine drive
- Pentaprism for easy viewing of circular level
- Horizontal circle with 360° division
- Budget-priced
- 24x magnification

Features
Package Includes:
727586 Leica Runner 24 Automatic Level
Carry Case
Calibration Certificate - 1 Year

Sokkia B Series Auto Level

Sokkia B series automatic levels feature enhanced accuracy reliability under all environmental conditions. Tough and compact bodies are tightly sealed against water, humidity and dust (IPX6) with a magnetic damping system. The B series levels provide quick setup, easy sighting, and superior durability against vibration and shock, ensuring the increased productivity over long periods of time.

	B20	B30	B40
Magnification	32x	28x	24x
Objective aperture	42 mm	36 mm	32 mm
Accuracy	0.7 mm	1.5mm	2mm

Sokkia SDL Digital Level

Sokkia proudly presents the new POWERLEVEL SDL Series, a digital level that has been further improved by adding a large internal memory. All you have to do to measure height and distance is aim the unique RAB-Code staff, adjust the focus and press a single key. The results are immediately indicated digitally on the LCD display and can be recorded in the internal memory - making the SDL Digital Levels the ideal instrument for quick and easy leveling.

SDL1X
Eight "industry's first" features

1. 0.2mm precision (ISO17123-2)
2. Auto Focus for high-end digital level
3. View Finder for quick sighting
4. Remote Trigger for wireless operation
5. Dual-axis tilt sensor that ensures precision
6. SD card slot for data storage
7. 100m (320ft.) Bluetooth® wireless communication
8. Staff with ±0.1ppm/°C linear expansion coefficient

SDL30
(32x, 1.0 mm/km)

Features
- Excellent accuracy: standard deviation of only 0.6mm for 1km double-run leveling using a invar RAB-Code staff, 1.0mm with fibreglass RAB-Code staff.
- Measurement within 3 seconds with single touch of a key. Used with Sokkia's SDR data collectors, measurement and data recording can be automated to dramatically enhance leveling work.
- The internal memory capable of recording up to 2,000 points of data and 20 job files, sufficient for a full day of work.
- Water resistant complying with IPX4 (IEC60529).

SDL50
(28x, 1.5 mm/km)

Features
- Excellent height accuracy: 1.5mm in a 1km double-run leveling.
- External data port for interface with data collectors or a PC.
- Internal memory capable of recording up to 2,000 measurements.
- Water resistant IPX4.

Electronic Digital Theodolite ET02'' / 05''

The Electronic Digital Theodolite has a dual display and has easy to use modes of operation. It has reliable quality and a body style similar to a Topcon Digital Theodolite and is attractively priced.

Includes

ET2,Tribach, Rechargeable battery & charger, Operators manual and hard carrying case.

Features 2''

- Reading 1 SEC
- Absolute angle encoder system
- No vertical/horizontal index required when turning on
- Vertical tilt compensator
- Dual Display LCD
- Optional Laser (Spot)
- Magnification 30x
- Water Proof I.P x 7

Code	
ET02	Theodolite
ET02L	Laser Theodolite

CHANTON Land Survey

LAND & ENGINEERING SURVEY

Land and Engineering Surveying solutions tailor made to your specific requirements with competitive rates.

OUR SERVICES INCLUDE:

- TOPOGRAPHIC SURVEYS
- MEASURED BUILDING SURVEYS
- ELEVATIONS
- MONITORING
- ENGINEERING AND SETTING OUT
- AS-BUILT SURVEYS
- VOLUMETRIC SURVEYS AND CALCULATIONS
- RADAR SCANNING
- GPS SURVEYS
- ORTHO RECTIFIED PHOTOGRAPHY

CHANTON'S OTHER SERVICES

Training

SAVOY FORTNUM & MASON

CALL OUR SPECIALIST SURVEY TEAM FOR HELP AND INFORMATION

London:	Midlands:	Southern:	E-mail:	Web:
020 8900 9022	01330 818800	01306 733378	survey@chanton.co.uk	www.chanton.co.uk

EXTERIOR

ROTATING LASERS

Topcon RL- H4C Laser Level

Topcon's NEW RL-H4C auto-leveling laser combines precision,

RL-H4C features include:

- Simple, intuitive manual slope match capability with automatic cross axis self-leveling
- Fast, automatic self-leveling
- Robust construction with dual handles and IP66 water-resistant housing
- NEW LS-80L Long-Distance laser sensor
- Up to 100 hours of production from dry or rechargeable batteries
- Automatic height of instrument alert (HI alert)
- Optimally focused beam provides long 2,600ft. (800m) operating radius
- Machine control compatible
- 10 arc second accuracy
- Universal rod clamp for LS series sensor
- New ruggedized carrying case that fits standard package plus extra LS sensor and LS-B10 machine mounted laser sensor.*

Extra LS sensor and LS-B10 sold separately.

5 Year Warranty

EXTERIOR

ROTATING LASERS

CST/Berger 57-ALH

The Job Demands Precision. You Demand Performance. The New ALH Series Delivers. Accurate. Reliable. Performance.

Single-slope capable with electronic cross-axis leveling makes the ALH ideal for exterior applications such as grading and excavating, concrete forms, machine control, site prep, marking elevation, landscaping, driveway paving.

Features:
- Exceptionally high accuracy
- Exceptionally long range
- Manual slope capability of ± 10% using keypad
- Robust and waterproof
- Cross-axis levelling

Applications:

For all work in civil engineering e.g. depth control when excavating, foundations, walls, elevation marking, grading, gardening and landscaping

3 Year Warranty

EXTERIOR

ROTATING LASERS

Designed for the professional who needs optimum versatility.

CST/Berger ALGRD DUAL GRADE LASER

Dual dial-in grade, horizontal and vertical self-leveling, with all features easily accessed via the on-board LCD screen.

CST Berger 57-ALGRD Specifications:

- Laser Diode: 635nm, 10mW
- Accuracy– Horizontal: 1/16" @ 100'
- Accuracy– Vertical: 1/8" @ 100'
- Range: Up to 2800' Diameter with Detector
- Leveling Type: Electronic Self-leveling, 5º
- Grade/Slope: Dual Dial-In Grade
- Environment: All-weather general construction

CST Berger 57-ALGRD Includes:

- (1) LD440 Detector
- (4) "D" Cell Batteries
- (1) Remote Control
- (1) Carrying Case

CST Berger 57-ALGRD Features:

- Accurate, Reliable, Performance
- For the professional who demands fast and accurate leveling.
- The power and precision of the ALGR is designed for the professional who needs optimum versatility.
- Dual dial-in grade, horizontal and vertical self-leveling, with all features easily accessed via the on-board LCD screen.

3 Year Warranty

EXTERIOR

Robust dual slope laser with multi-task functionality

Topcon RL-SV2S

Topcon's RL-SV2S slope laser sets new standards for simplicity and accuracy. Rugged, lightweight, and compact, it's twice the laser at an amazingly affordable price!

One laser with Multi-task functions!
Topcon RL-SV2S is a multi-task laser, that means you can use it for Construction & Interior jobs where you need a laser for horizontal, single slope, dual slope or vertical applications. This laser has many features and is very user friendly. It's simple to say, the RL-SV2S meets all of your job site needs!

Key Features

– Horizontal, single slope and dual slope functionality in one laser
– Vertical function
– Large backlit high-contrast graphical display on both laser and remote
– Change grade, select menu settings, check operational status and even verify battery life, all without touching the laser
– Waterproof to Environment IP66

Horizontal, single and dual slope
– Dual slope function ±15%
– Electronic shutters to avoid interference to other laser on site
– Machine control usage
– Operating range (radius) 400 m

Vertical function
– Setting and alignment
– Visible beam 635 nm

LS-80L long range receiver
– Two way communication for height alert and laser battery status
– 5 levels of LCD display precision
– Extended battery life
– Quick find sensor
– "SmartClamp" adjustable rod clamp
– Auto shut-off

LASER PRODUCTS

It's Time you experienced Topcon Quality.....

5 Year Laser Guarantee

Topcon understands that every second you can't use your professional equipment is a second lost! That's why we guarantee to solve any problem, swiftly and without restrictions.

For the next five years you will be safe in the knowledge that Topcon takes care of you and your instrument.

- Economical Price
- Best Technology
- 5 Year Guarantee
- Feature Packed

5 YEARS TOPCON GUARANTEE

INTERIOR

ROTATING LASERS

Chanton RLVH6 (Red/Green Beam)

Features

The Chanton RLVH6 is a fully automatic, self levelling Rotating laser which projects a solid visible light beam onto any surface for alignment purposes. The Chanton RLVH6 Series features horizontal and vertical modes with a single slope ability on the X- or Y- axis.

- Interior and Exterior laser level system
- Green beam laser- highly visible inside
- Horizontal/Vertical/ 90 degree beam – up and down
- Fully self levelling 15” accuracy
- Scanning function
- Slope setting
- Waterproof IP64

Includes

- Tripod & staff (optional)
- Ceiling target
- Wall mount
- Re-chargeable Nm-Hd battery, Incl charger
- Alkaline Battery pack
- Remote control
- Receiver & clamp
- Carrying case
- 2 year warranty

2 Year Warranty

INTERIOR

ROTATING LASERS

Topcon RL-VH 4G2 Green Beam / Topcon RL-VH 4DR Red Beam

Featuring ultra-visible GreenBeam® technology, the new RL-VH4G is a professional interior laser that's right for all jobs and all budgets. Fast, dependable, durable, accurate, visible…4 times more visible! And with the exclusive SmartScan® technology, you can quickly and easily draw a laser light on any surface, to any length you need, for as long as you need it. The RL-VH4G also features auto HI shutdown that automatically turns the laser off if bumped or disturbed saving costly re-work.

AutoScan
Topcon's AutoScan lets you draw a line of laser light on any surface, to any length you need. And it stays there as long as you need, automatically from the target.

Self-Leveling
Set up within 5 degrees of level and switch on, the RL-VH4G features fast self leveling (under 5 seconds) so it will be spinning and ready to work when you are. Theres even an auto HI shut down that automatically turns the laser off if it is bumped or disturbed saving costly re-work.

Vertical Alignment
Using the optional vertical floor target, setting wall studs is easy. Simply place the optional vertical target on your line, place the RL-VH4G at the other end, and use the manual slope buttons or RC-30 remote to center the beam on the target.

Why Green?
It's brighter. Up to four times brighter than conventional beams. Your eyes see certain wavelengths of light better than others, thats why Topcon developed GreenBeam. You can see GreenBeam® anywhere under any condition, your using the beam instead of losing it, so the job gets done faster.

Features
- Ultra-visible GreenBeam® - 4 times more visible!
- Exclusive SmartScan® delivers ultimate control and visibility where you need it!
- Built-in floor mount and simultaneous 90e beam makes easy work of vertical layout.
- Removable laser guard delivers full 360e laser sweep with no pillar "gaps".
- Omni-directional RC-30 radio remote control is included with a range up to 300'.
- Topcon quality and features at an economical price!
- 5 year warranty

On-site demonstrations available - please call!

5 Year Warranty

INTERIOR

Line LASERS

CST / Berger ILMXT Cross Line Laser (Red / Green Beam)

Use for: cabinets, shelving, drop ceilings, wainscoting, paneling, remodeling projects, wall hangings, machinery, pipe and conduit, floor and wall tiles, interior decoration.

Super adjustable Tripod / Bracket

Includes

- One button
- Four functions
- Horizontal levelling beam
- Vertical Plumb line
- Laser cross
- Manual mode for tilting
- Range of up to 30m with line laser detector LLD20

- Optional Laser Detector LLD 20

CST/Berger MP3 + MPS

The CST/Berger LASERMARK MP3 Three Beam Laser Level is self leveling and can be used to transfer points from floor to wall.

3 highly focused self leveling laser beams provide an accuracy of 1/4 if an inch at 100 feet. Resists dust, dirt and water (IP54).

Includes

- 3 AA batteries
- Multi mount
- Target
- Plumb trivet
- Mounting strap
- Carrying case
- Instruction manual

INTERIOR

Bosch GLL 2-50 Professional Line Laser

Precise lines, high visibility

180° Self-levelling horizontal and vertical pendulum line laser

- High visibility of the laser lines with a working range of 20 m (without receiver)
- Extremely precise in use with an accuracy of ±3 mm at a distance of 10 m
- Vertical, horizontal, and cross line modes for precise alignment
- Easy handling due to single-handed operation
- Horizontal and vertical self-levelling up to ±4°
- Working range of 50 m with the Receiver LR 2 Professional (optional)
- Robust design with softgrip covering protects against knocks
- Pendulum lock ensures safe transport

Bosch GTL 3 Professional Tile Laser Level

Three highly visible laser lines at 90° and a centre line at 45°, achieve high accuracy over 20 metres. The GTL 3 is robust and light with IP54 dust and splash protection.

Specifications:

- Working range w / target plate - 20 m
- Accuracy - ± 0,2 mm /m ± 0,4 mm /m between 45° and 90°- line
- Laser type - 635nm, < 1mW
- Dust and splash water guard - IP 54
- Automatic switch off after approx. - 30 min
- Power supply Batteries - 4 x 1,5 V LR6 (AA)
- Operating time with 2 lines / 3 lines - 18 hrs /12 hrs
- Dimensions - 156 × 102 × 98 mm
- Weight - ca. 500g

CST Super Tripod

For all palm type line lasers with 6 mm fitting 3 Leg Mini Tripod
Includes as well a magnet mount.

INTERIOR

EK - 436 Laser (Red)

- 4 Vertical lines & 3 Horizontal
- Rotating function with a fine screw adjustment mechanism
- Outdoor & Indoor usage

Output	Less than 1mW each,class II
Line Width	Less than 3.5mm/10M about
Accuracy	± 1mm or 40sec in 10 minute
Leveling	± 3degrees
Wavelength	635nm * 4(V) + 635nm * 3(H)+645nm * 1(Down point)
Damping type	Magnetic
Structure	360 degrees turnable with fine adjustment function
Power Supply	3 * AA Battery Alkaline
Continuous use	8hours
Working Distance	With a radius of up to 10m(50m by using detector)
Dimension	200mm * 120mm(Dia)
	Weight 1.4kgs NET

EK - 118 Laser (Red / Green)

Features:

1.Mainly Indoor Operation.

2.Cross Line Modes - Projects two lines together for a wide array of levels and plumb applications.

3.The instrument is able to set up quickly and effortlessly to project horizontal or vertical lines. Alignments of ± 4° are compensated automatically.
If the tilt is outside these limits, the device will make an audible alarm and errors are therefore prevented.

4.Built-in locking system to lock the compensator when in transportation to avoid damage.

5.Robust Over-Molded Housing – IP54 Water and Dust Proof to ensure years of dependable operation.

PIPE LASERS

Your solution to guarantee you'll get from here to there, quickly, accurately and affordably

Topcon TP-L4 Series Pipe Lasers

Topcon's TP-L4 series of alignment lasers offer a combination of features and technology that are proven to meet the demands of contractors more than any other alignment lasers on the market. There are a number of models to choose from including conventional red beam lasers or our advanced GreenBeam® laser range.

Features

- Worlds most accurate levelling and grade system
- Survey accurate electronic encoder superior at any grade
- Reduces rework
- Waterproof depth at least 5m for 24 hours
- Cable free operation with convenient 6 hour quick charge
- RC-200 infrared remote gives the user complete control, without being in the hole
- Built for tough "in the trench" conditions with cast aluminium housing
- 5 year guarantee

Want to go green?

Topcon also offer two green beam models with many advanced features including the one person automatic alignment feature, SmartLine® and a beam so bright it's visible in direct sunlight.

The visibility of a Topcon Green Beam® is four times greater than conventional red beams and its spot quality is vastly superior to any red beam laser diode instrument. What does the added visibility mean to you? A visible beam is all you have, the easier you can see it, the quicker and more accurate your work will be which in turn will increase your productivity.

Please call for more information on our GreenBeam® range

PIPE LASERS

Leica Piper 100 Pipe Laser

Solid performance – in the pipe, over the top, or in the manhole with optional Remote Control, Rechargeable Li-Ion Battery, Charger and Target Assembly.

The Leica Piper series of pipe lasers are perfect for: storm and sanitary sewer construction, gravity flow pipe line and anywhere grade and line are required with a single beam.

Powerful and compact, the Leica Piper is the only pipe laser that fits inside a 100 mm (four inch) pipe.

Features:
- Highly visible red beam
- Large, easy to read LCD display
- Line and Grade Locks
- Wide Line Adjustment
- Grade entry - Direct or by digit
- Wireless remote control (optional)
- Rock solid metal housing

JC100 Plumb Laser

The JC 100 plumb laser is designed especially for vertical plumbing (both up / down).
Perfect for high rise buildings with high visibility up to 150 m.

Features

- Interior/exterior laser
- Worlds only plumb laser with 150m range
- Automatic self leveling range of +/-3.0'
- Waterproof construction
- Lightweight and portable
- Highly visible laser enhanced by bulls eye beam

Kit Includes

- Rechargeable Ni-Mh battery x 2
- Battery charger
- Target, hard carry case
- Penta Prism
- Remote control
- Instruction manual
- Hard carry case

Topcon LS-80 Universal Laser Receivers

Topcon LS-80B Laser Receiver

The Topcon LS-80B laser receiver allows a single crew-member to quickly and accurately finish a range of jobs from sub-base levelling to concrete finishing. This rugged, accurate tool is water and dust resistant and can be used with most conventional rotating lasers. Securely attached to a levelling stave with a holder 6 bracket, the sensor features a large digital readout and an audible tone which gives levelling indication, out of range and low battery.

Topcon LS-80A Smart Reciever™

The LS-80A SmartReciever has all the features of the 80B along with many added benefits. The LS-80A features a dual sided readout enabling the user to take readings from the front or the rear of the sensor. This durable site ready receiver also has a quick beam finding system with 5 grade channels giving outstanding precision accuracy.

Sokkia MC550 Universal Laser Receiver

The MC550 is a laser grade control tool that you can put to work immediately... Mounted to your machine or to your staff.

FEATURES AND BENEFITS:

- Designed to use on both machine and staff
- 240° angular reception for increased laser visibility.
- Rugged Lexan™housing stands up to harsh construction environments.
- Works with all rotating lasers.

CST/Berger LD 400 Laser Receiver

FEATURES AND BENEFITS:

- Front and back displays
- Three levels of sensitivity
- 7 display channels
- Concise keypad with on and off button
- Sensitivity button and speaker volume button
- Rubber reinforcement to protect against impact, and splash proof seal (IP55)
- Automatic shutdown after 5-8 minutes
- Direction memory (displays the side on which the laser light has left the laser reception range)
- Electronic filter for suppressing direct sunlight and for protecting against interference from electromagnetic radiation
- Very sturdy rod clamp
- Dual sided LCD display with full function overview and graphical display: power on/off indicator,battery charge

Apache STORM Laser Receiver

The Revolution in Laser Detection

Increase your productivity with faster grade checks. The Laserometer® eliminates the guess work of checking grade with instant and accurate information. You'll save time, money, and materials.

Features

SuperCell Technology - Uses durable proprietary blended acrylic components rather than fragile soldered components of traditional methods.

Bright, Multi-Color LED's - Provide a visual indication of grade reference. Easy to see over long distances.

Strobe Light Rejection Filter - Eliminates false readings from job site strobe lights.

Performance - Patented technology provides stable and accurate grade information over the entire jobsite.

Versatile - Works with all rotating lasers. 5 accuracy levels - tolerances to meet your jobsite needs.

MACHINE CONTROL RECEIVERS

Topcon LS-B10 Magnetic Receiver

The LS-B10 laser receiver is a versatile, cost effective, indicate solution for grade checking and machine control applications. With its light-weight design and integrated magnetic mount the LS-B10 can easily be installed on a wide variety of machines. The LS-B10 can also be fitted to a levelling staff using the standard Holder 6 bracket for manual grade checking.

Features

- Tough lightweight design that only weighs around 1lb
- 270 degree detection range
- Water & dustproof (IP66)
- 11 LCD grade channels
- 5 gradual triangles for out of grade indication
- 3 x AA dry cell batteries for 100hrs use approx
- Red and green LED indicators
- 2 year guarantee

LS-B10W & RD-10W system

Another option is the LS-B10W & RD-10W system. The LS-B10W mounts on your machine and sends its levelling information wirelessly to the RD-10W remote display which is mounted in the cab for easy viewing.

Integrated CAN support in the LS-B10W means that this system is provided with the flexibility to be used with future indicate and automatic machine control systems.

Topcon LS-B100 Series Machine Sensor

A new series of high-quality, affordable machine control sensors - the LS-B100 series - was recently announced by Topcon. The LS-B100 series, including the LS-B100, LS-B110 and 110W (wireless), offers a modern new design and increased functionality.

The new LS-B100 series provides the tightest accuracy and largest working range of machine control receivers in the market today. The LS-B100 series is ideal for dozers, box blades, excavators and backhoes. The LS-B100 receivers' unique features, such as on-grade matching and wireless capability, offer unmatched performance on any job site.

Features

- Most accurate receiving resolution
- Wireless display capability
- Alkaline or rechargeable battery option
- Plumb indication
- Universal pole clamp
- Large working range
- On-grade matching function
- Four selectable dead bands
- CAN compatible
- Tough site-proof design

Bosch GLM 250 VF

- Integrated telescopic viewfinder Yes
- Measurement range 0,05–250 m
- Measurement accuracy ± 1,0 mm
- Battery lifetime, approx.
- Individual measurements 30.000
- Continuous measurement 5 h
- Dust and splash protection IP 54
- Dimensions 66 mm x 120 mm x 37 mm
- Weight 0,24 kg
- Part number 0 601 072 170

Bosch GLM 150

- Measurement range 0.05 –150 m
- Measurement accuracy ± 1.0 mm
- Battery lifetime, approx.
- Individual measurements 30.000
- Continuous measurement 5 h
- Dust and splash protection IP 54
- Dimensions 66 mm x 120 mm x 37 mm
- Weight 0.24 kg
- Part number 0 601 072 070

Bosch GLM 80

- Measuring range 0.05–80 m
- Measuring accuracy ± 1.5 mm
- Incline measurement ± 60° vertical / 360° horizontal
- Accuracy of inclinometer ± 0.2°
- Number of memory values 20 + 1 constant
- Battery Lithium-ion technology
- Battery lifetime, approx. individual measurements 25,000
- Dust and splash protection IP54
- Dimensions (L/W/H) 111 x 51 x 30 mm
- Weight 0.14 kg

Bosch GLM 80 + R60

Comes complete with Protective case, charger, manufacturer's certificate

- Measuring range 0–360° (4 x 90° inclines)
- Accuracy of inclinometer ± 0.2°
- Audible signals at 0° and 90°
- Dimensions (L/W/H) 610 x 58 x 30 mm

Disto D2

The smallest distance measuring device on the market, the same size as a mobile phone.

Benefits

- Typ. accuracy ± 1.5mm
- Range: indoor 60 m
- Robust with IP54
- Simple to use
- Easy to handle
- Illuminated 3-line display

Disto DXT

Precise, quick and reliable measurements

- Measuring range 0.05 to 70 m
- Typ. accuracy ± 1.5 mm
- Sealed keypad - For measurements in extremely dusty environments.
- Easy to clean under running water
- Solid rubber housing Withstands drop tests from 2 m height
- Minimum and maximum measurement function

- Horizontal and diagonal measurements, e.g. in corners.
- Room dimensions Values such as total wall length, wall and ceiling area are available at the touch of a button

Continuous measurement Simple and quick staking out IP 65 Dust tight and protected against jets of water

Disto D3A BT

Small, multifunctional and reliable

Benefits

- BLUETOOTH® Rapid, error free data transfer to your Pocket PC or PC
- "Leica DISTO™ Transfer"software included
- Process your data in Excel®, Word®, AutoCAD® or other Windows® -based programs

- Plug-in for AutoCAD® and Bricscad™
- Convenient drawing using your AutoCAD® software
- Navigation keys Control cursor move
- Laser pin point accuracy +/- 1mm
- Simple push button operation
- Area / Volume measurement
- Units = Metric and Imperial
- Water and Dust resistant (IP54)
- Rubberised lens protector

Disto D5

Leica Disto D5 featuring the highest measuring accuracy (±1mm) over a distance of 200m. Incorporating a digital viewfinder with large colour display, the Leica Disto™ D5 is the perfect outdoor measuring instrument.

Benefits

- Measuring accuracy ±1.0mm
- Range: 200m (650ft
- Digital pointfinder (x4 magnifiaction)

- Large 2.5" colour crystal clear display
- Tilt measurement
- Multifunctional end piece
- Long range (LR) mode
- Memory - recall last 20 values
- Water and Dust resistant (IP54)
- Functions: Add, Subtract, Area, Volume, Room area, Pythagoras, Trapezium, Roof slope, Area of a triangle, Stake out, Constant / History, Time delay

Survey and Engineering Total Stations

Ultimate Reliability
All Environments – All Applications – All Tasks

Sokkia Set 50 X / RX

The Series 50X / RX are the new line-up of easy-to-use Total Stations and operate in heat or frost, in sand or snow, in powder dust or driving rain with unprecedented dependability.

These total stations offer the industry's highest durability that withstands the severest climates as well as the harshest work site conditions.

Highest Protection against Dust and Water

The Series50RX withstands the finest powder dust as well as the hardest driving rain. The industry-leading IP66 protection provides unparalleled reliability in the harshest work site conditions.

Dust-tight - IP6x is the highest grade of protection against ingress of solid foreign objects.

Water-protection - IPx6 rating means the instrument is protected against powerful water jets from any direction

Improved specifications

- Dependable operation in the heat of up to +60°C;
- Ensures operations in freezing climates as low as -30°C
- 2", 3", 5", 6" models available
- Increased measuring speed for distance measurement
- Superb angle precision and durability
- Easy data transfer possibilities (SD, SDHC Cards, USB-memory)
- Alphanumeric illuminated keyboard for easy operation in dark environments
- Standard temperature conditions ensured (-20 to +50ºC)
- Reflectorless or non reflectorless

Survey and Construction Total Stations

From initial site measurements to finished grading, Survey and Construction Total Stations let you take control of your site measurement, stakeout, and machine control requirements.

Leica Builder Series 200/300/400/500

Leica Builder - when tapes are a thing of the past.
Traditional layouts require many steps and manipulations. The Leica Builder reduces these steps. As such the Leica Builder 200 adds benefit by reducing the number of set-ups and offers laser-aided layouts up to 80m/260ft. Its serial interface allows connection to any 3rd party device/program. 3 languages loadable.

Features

Builder 209 Total Station (9") with Laser Plummet & Keyboard & Serial RS232 Interface
Tribrach
Li-Ion Battery
Battery Charger
Flat Prism & Reflector Pole
Carry Case
User Manual

Survey and Construction Total Stations

The new Topcon GPT-3100N series Reflectorless Total Station - a breakthrough in non-prism measuring

Topcon GPT-3100N Reflectorless Total Station

The new GPT-3100N recently replaced Topcon's long standing GPT-3000N series. This latest release has many technological advances including a new laser for non-prism distance measurement which offers a major leap forward in performance in a construction site surveying Total Station.

Four models of different angle accuracy specification are available, 2", 3", 5" and 7", all but the 7" model having a dual axis compensator.

Improved specifications

The new "Multi-pulse" laser system uses multiple pulsed laser beams emitted at a constant frequency, to measure distance. It offers increased measurement performance with pin-point measurement beam, extended range, improved accuracy and lower power consumption.

Precise pulse-laser reflectorless

Topcon's pulse-laser " time-of-flight" system eliminates measuring errors caused by the overlapping signals used in phase measuring systems. Accurately measuring corners or through objects such as a chainlink fence is always fast and reliable.

When collimating point A, the pulse laser will output to point A and point B at the same time, filtering out unnecessary signals.

Longest reflectorless range

Up to 350m, the longest reflectorless range in its class! Measures up to 3000m with a prism. The dual optical design allows you the extended range using a class 1 laser- safe for all conditions, making it ideal for use in high-traffic and other heavily populated areas.

Applications

The features and software of the GPT-3100 series combine to provide ultimate flexibility in many field applications such as city elevation work, forestry survey, quarry surveys, mining surveys and accident investigation.

Please call for more information and prices on the complete GPT-3100N Range

LONG RANGE TECHNOLOGY

The most advanced technology available for the professional surveyor and engineer

Leica FlexLine TS06

Leica FlexLine TS06 -Flexibility that counts
For complete flexibility a Total Station that is ready for any challenge. Designed for mid accuracy applications.

As standard, an alpha-numerical keyboard and a complete set of application software is included.

For additional flexibility, a wide range of options ensures that you can always count on your TS06 Total Station.

Data storage/Communication
Increase your flexibility in data handling by
- Bluetooth® wireless technology
- removable USB stick
- Mini-USB port
- RS232 port

Alpha-Numerical Keyboard
for rapid entry of numbers, letters and special characters.

Electronic Distance Measurement (EDM)
A selection of EDM options delivers exactly what you need:
Prism:
3500 m, 1 mm accuracy
Non-Prism:
30 m FlexPoint
>400 m PinPoint–Power
>1000 m PinPoint–Ultra

High Precision reflectorless EDM / Windows® Operated

The surveyor of the 21st century demands the most accurate and efficient ways of working and with our extensive robotic range of total stations, we are more than able to oblige.

NEW Sokkia Set X Total Station

Superior distance accuracy

The RED-tech EX EDM provides superior distance accuracy and allows reflectorless measurements from distances as short as 30cm to a maximum range of 500m. The SET X features Class 1 Bluetooth® wireless technology thus enabling license-free wireless communication data collectors up to 200m. The SET X incorporates SDR software based on the Windows® CE operating system and highly visible TFT LCD touch screen. Multiple data interfaces and Sokkia's unique SFX data transmission technology provide seamless data handling.Topcon's Quick Station QS Robotic Systems – Superior Technology, Design and Performance.

Specifications SETX

Accuracy (ISO 17123-3)	1", 2", 3" and 5" models
Automatic dual axis compensator	Dual-axis liquid tilt sensor, working range ±4 (±74mg)
Measuring range reflectorless	0,3 to 500m
Measuring range with reflective sheet target	RS90N-K: 1,3 to 500m
Measuring range with 1 AP prism	Under good conditions: 1,3 to 6.000m
Laser output	Class 3R
Accuracy reflectorless (fine mode)	0,3 to 200m: (3 + 2ppm x D)mm
Accuracy with reflective sheet target	Fine: (3 + 2ppm x D)mm, Rapid (6 + 2ppm x D)mm
Accuracy with prism	Fine: (2 + 2ppm x D)mm
Accuracy with prism	Rapid: (5 + 2ppm x D)mm
Measuring modus fine	0,9s (initial 1,5s)
Measuring modus rapid	0,6s (initial 1,3s)
Measuring modus tracking	0,4s (initial 1,3s)
Keyboard	Alphanumeric, 32keys with backlight
Data storage internal memory	64MB (More than 1MB available for data)

For more information please email sales@chanton.co.uk

Robotic Total Stations

// "Cutting-Edge Wireless and Cable-Free Robotics" //

NEW Sokkia SRX Robotic Total Station

Precise, long-range, refl ectorless measurement with patented RED-Tech EX Technology
Sokkia's flagship Total Station has the latest technology on-board to make single-operator measuring quick, easy and accurate. Sokkia's patented RED-tech EX technology offers the highest precision on all ranges of measurements.

Powerful on-board software with Windows® CE operating system
The power and familiarity of a Windows® -based operating system is on-board the SRX.

Fully wireless and cable-free
Sokkia's SRX has Bluetooth®wireless technology for cable-free use, making this single-operator Total Station even more convenient.

Multiple data interfaces including USB and Compact Flash
The SRX offers many data interfaces to make data in the fi eld easy to transport back to the offi ce.
Saving data is easier than ever before with the options of USB or compact fl ash data options.

Enhanced encoder with IACS technology
Groundbreaking new Independent Angle Calibration System (IACS) provides extremely reliable angle measurement with unprecedented
stability.

Bluetooth® is included on this instrument and in the on-demand remote control unit creating a completely wireless system.

For more information please email sales@chanton.co.uk

Sokkia Monmos Net 05 / Net 01

Sokkia's NET MONMOS opens a new dimension of precision, range and speed for large structure 3-D measurement. Use this Total Station to measure ships, tunnels, buildings, bridges, domes and other large objects.

Enjoy features like a long-life detachable battery, up to 0.5 mm accuracy, a weather-proof compact body, and the laser-pointer and target illumination functions.

Features

- Higher Precision and Longer Range with Reflective Sheet Targets
- Reflector less Measurement
- Long Range Measurement with Prisms
- High Speed Measurement
- Target Illumination
- Laser Pointer

Precision Everywhere You Need It

Sokkia's industrial measurement solutions, NET1, NET05 and NET05X 3D Stations, combine the rugged reliability Sokkia is known for with the precision, functionality and versatility you need to get the job done efficiently and accurately. NET05 and NET05X employ Sokkia's unique Independent Angle Calibration System (IACS) technology for unparalleled measurement reliablity. Fully equiped with advanced features expand these instruments application possibilities, including tunnels, ships, bridges and power plants.

Features that will keep your job running smoothly:

- Remote control with Bluetooth®Wireless Technology
- Four different measurement modes: Manual;
- Tracking / Auto-tracking; Seeking / Auto-pointing; Scanning
- Ease of use with Windows® CE and an easy-to-use touch screen
- Built-in target illumination
- Spatial Analyzer* interface available from NRK

Technical Training & Support

Chanton has provided high quality training to some of the foremost companies in the construction industry, conferring at all times a solid understanding of intensive principles and practical skills in Survey and Laser Equipment.

Knowledge is Power

Chanton offers a range of training workshops, courses and programmes for graduates, foremen, management and for those who want to develop their skills in setting out and use of surveying and laser equipment.

We Work Around You

Our training program includes a wide range of cost effective in-house training courses to meet the client's specific needs.

Whether you've purchased new equipment or you have an older instrument that you need a refresher on, Chanton have dedicated staff that specialise in training, sales and customer support of the high end equipment associated with the more complex side of surveying and construction.

Our Courses

- **Levelling & Setting Out**
- **Theodolite Setting Out**
- **EDM Stage 1 - Introduction to use of Total Station/EDM**
- **EDM Stage 2 - Advanced use of Total Station**
- **EDM Stage 3 - Data logging & data processing**
- **Site Survey and Setting Out For Engineers**
- **GPS Awareness**

For more information please email sales@chanton.co.uk

ULTIMATE VERSATILITY
Scalable – Affordable – Triple Wireless Technologies

Sokkia GRX1

Small, compact & lightweight GNSS receiver

The GRX1 weighs only 1.4 kg including battery and modem. This makes the GRX1 one of the lightest receivers on the market.

Key Points:

- Small, compact & lightweight GNSS receiver
- Superior RTK performance
- IP67 Environment Proof rating
- Fully upgradeable
- Internal UHF Radio and GSM / GPRS modem
- Voice messages / alerts & LED panel display
- Easy access to Battery, SD and SIM cards
- Flexible battery options
- Supplied with new Sokkia Field & Office software

Superior RTK performance

The GRX1 features a new 72 channel GNSS board for tracking GPS, GLONASS and SBAS. The output measurement interval for position is up to 20 Hz, baseline length for RTK fix up to 50 km and initialization time can be as low as 5 seconds (depending on conditions). The GRX1 can receive all GNSS signals which are currently available.
Benefit: Reduced start up time to get working, and using all available signals, keeps you working longer in difficult areas.

Software Package: eGIS Software

Spectrum Survey series software is tailored to use with Sokkia GPS / GNSS receivers in both field and office works.

- Spectrum Survey Office offers all necessary functionality for GPS / GNSS surveying.
- Tool bars, reports and views can be easily customized for your specific needs.
- Data export in all industry-standard formats.

Hand Held GPS Field Commanders

Sokkia SHC 250 / 236 / 2500

The new SHC250 data collector incorporates the latest Windows® Mobile® 6.5, built-in Bluetooth® modem and the new Spectrum Survey Field software in a rugged body that fully controls GNSS Receivers and Robotic Total Stations with unsurpassed ease and speed.

The SHC250 data collector features:

- Windows Mobile® Version 6.5
- 806MHz XScale processor
- 256MB SDRAM / 1GB Flash memory
- Built-in Bluetooth® 2.0 Class 2 wireless modem
- IP66 dust- and water-protection
- SD (SDHC) card slot / CF card slot

The new controller software, Spectrum Survey Field, runs perfectly on the SHC250.

The SHC250 partners perfectly with the GRX1 GNSS Receivers, SRX Robotic Total Stations and is the ideal platform for Sokkia Layout.

Hand Held GPS Field Commanders

Field Controler

Rugged and compact field controller

Topcon FC-25/25A features a pocket-sized, lightweight body with exceptional ruggedness. Conforming to the MIL standard and the IP65 dust/water protection, these field controllers are able to survive severe worksite conditions.

Field-exchangeable Battery
Rechargeable Li-ion battery can be removed and replaced at the work sites. Battery charger is available as an optional accessory.

Key Features
- Windows Mobile® 6.5
- Embedded 20 Channel GPS Receiver
- WLAN/Bluetooth® Wireless
- Field-exchangeable Li-ion Battery
- Rugged and Lightweight (11.3 oz.)
- IP65 Dust/Water Protection
- FC-25A also with Built-in Camera, Compass, and Altimeter

Sokkia SHC-236 Field Controler

The new FC-236 packs a huge number of features into a compact and lightweight unit. Featuring a full numeric keypad, super long 12 hour battery life, integrated cellular modem, 3MP camera, internal L1 GPS receiver, compass and powerful Windows Mobile® 6.1 operating system, the FC-236 really does have everything you could possibly need as a field computer system.

Features
- Windows Mobile® 6.1 operating system
- Fast 806Mhz Marvel PXA310 processor
- 26 key numeric keyboard
- 480 x 640 VGA 3.5” TFT touch screen
- 128MB RAM, 4GB ROM
- Integrated Cell Modem 3.5G WWAN (HSDPA / WCDMA / EDGE / GPRS / GSM)
- Integrated WiFi 802.11b/g and Class 2 Bluetooth® connectivity
- SDHC Card Slot and USB OTG port
- 3 Mega Pixel Camera
- 20 channel SiRF star III DGPS class GPS
- Replaceable Li-ion battery with over ten hours battery life
- IP67 & MIL-STD-810G Environmental Protection

CHANTON

Our team is your strength

TECHNICAL TRAINING

Training in Survey Equipment & Setting Out

OUR SERVICES INCLUDE:

. USE OF TOTAL STATIONS

. SETTING OUT PROCEDURES

. UPLOAD & DOWNLOAD OF DIGITAL DATA

. SURVEY & SETTING OUT CONTROL

. CO-ORDINATE SYSTEMS

. ERRORS & ADJUSTMENT

. ENGINEERING LEVELING

DIGITAL DATA

USE OF TOTAL STATIONS

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Office Software

Sokkia Spectrum Survey office software for GRX1

Complete new Sokkia Field & Office software
The GRX1 is introduced together with the new Sokkia Spectrum Field (SSF) and Sokkia Spectrum Office (SSO) software. Sokkia Spectrum Field is field controller software for GNSS receivers, Total Stations and Digital Levels. Sokkia Spectrum Office is a Windows PC software application for processing RTK, ETS data, and for post-processing raw data. Additionally, the new Sokkia Spectrum Link is a free of charge PC tool for data transfer and conversion.

Survey Software

Spectrum Survey series software is tailored to use with Sokkia GPS / GNSS receivers in both field and office works.

Spectrum Survey Office

Comprehensive GPS / GNSS office software.
- Spectrum Survey Office offers all necessary functionality for GPS / GNSSsurveying.
- I Tool bars, reports and views can be easily customized for your specific needs.
- Data export in all industry-standard formats.

Field Software

Sokkia SSF Handheld Field Controller Software

Large Graphical User Interface – Select a function with the touch of a finger, or use the arrow keys to move the yellow selection box around the screen.

Create, edit, upload, and download faster using advanced data management techniques. How many instruments do you use on the jobsite? To simplify your work, Sokkia stores configuration files for each instrument. Switching from a SRX to a 30R is a snap—there's no wasted time configuring baud rates and connection settings. Just do it once and store it. Compatibility problems? We know there are several programs that require specific file formats, so we've given SSF numerous file formatting export options.

Conveniently Store Configurations

Switch from GPS to Total Stations in a snap. Maintain one job file with both GPS and Total Station raw data. SSF has the fast Mode change and Saved Configurations.

Export File Formats

SSF is prepared to export many different file formats of raw data, points, lines, or surfaces. Sokkia understands that you have many different file export needs.

Roading

With the PRO module of SSF, you receive all of the powerful roading functions. Input or import alignments horizontal or vertical, or templates and cross sections. SSF Pro is ready for roading.

CONFINED SPACE SAFETY EQUIPMENT

Drager CF-10 Minute Escape Breathing Apparatus

The saver CF constant flow emergency escape breathing apparatus allows safe, effective and uncomplicated escape from hazardous environments with minimal user training.

The unit is contained in an instantly recognizable, highly visible orange carrying bag, incorporating photoluminescence panels allowing the unit to be seen at very low ambient light and visibility levels.

IKAR DB-A2 Confined Space Tripod & Mounting Bracket

Offering a rapid assembly, it can be used with IKAR Rescue Devices (type HRA) and IKAR Load Winches (type ALKO). It can be easily set-up, does not have any loose parts and can be assembled and dismantled within minutes. Each leg has individual adjustment and a slip resistant foot to allow for uneven ground.

Specification

- Rapid assembly and disassembly
- Fast and efficient rescue
- Corrosion resistant coating
- World renowned german build quality
- High functional stability:
- 1.44m minimum height adjustment

IKAR G2-AR Harness

Features

The IKAR "Two Point" Fall Arrest Harnesses have been specifically developed to be lightweight, easy to wear components of a Personal Fall Protection System.

They are multi-adjustable and enable a greater size range of users with with the same harness than most other designs.

CABLE LOCATION

Cable Location & Avoidance

Cable strikes result in death, injury and disruption. In line with HSE recommendations for safe digging practice you are responsible for taking steps towards minimising the risks on-site. Today's hard pressed ground working contractor has the problem of needing to get the job done fast without breaking through pipes or cables. C-Scope have the answer.

C-Scope is at the forefront of electromagnetic location technology with an Research and Development program that goes back more than 25 years. Dedicated to leading the industry forward C-scope offer an important range of cable avoidance equipment widely recognised as the industry standard.

Site safety must be your number one concern

ANALOGUE AVOIDANCE TOOLS

C-Scope Cable Avoidance Tool

The C-Scope cable avoidance tool is a rugged, lightweight and full function, industry standard locator which every ground working operative will find familiar and easy to use.

- Network Rail Approved
- LCD meter for precision locating as standard
- Detachable loudspeaker held next to the ear in noisy work situations
- Fingertip controls for adjusting sensitivity and rapid switching between the locators three operating modes

C-Scope Cable Avoidance Tool XD

The C-Scope cable avoidance tool XD has all of the familiar user friendly features of the standard model but delivers more power, more precision and more information from underground. The XD has a cable depth mode activated by a simple push button giving the depth of an applied signal with instant accu-racy. To use the depth locating functions the XD must be used in conjunction with a signal generator.

- Network Rail Approved
- Accurately measure a cables depth
- Detachable loudspeaker held next to the ear in noisy work situations
- LCD meter for precision locating as standard
- Fingertip controls for adjusting sensitivity and rapid switching between the locators three operating modes

CABLE LOCATION

DIGITAL SIGNAL AVOIDANCE TOOLS

C-Scope MXL Advanced Pipe and Cable Locator

Hitting and damaging buried services when excavating can result in personal injury, costly repairs and disruption to work. The best way to avoid damaging buried services is to pinpoint their exact position, route and depth BEFORE work begins using the MXL and MXT Locating Equipment. The MXL and MXT are specifically designed to detect, identify and trace specific buried pipes and cables reliably and accurately, even in the most congested areas.

Features

- Ideal for identifying the layout of a pipe or cable network
- IP65 standard protecting against water and dust ingress
- Powerful loudspeaker, built for noisy environments
- Powered by readily available batteries with a long running life
- User replaceable wear foot fitted to the base of the blade
- Automatic backlight activates in low light conditions
- LCD display clearly shows clear and accurate "peak" response when detecting

C-Scope SGA & SGV Signal Transmitters

These superb industry standard signal generators from C-Scope supply a 33kHz signal either through a direct connection or by induction.

You can place the transmitter near the service in question to connect the signal by induction or use the clips and leads supplied to make a direct connection, there are also signal clamps available to aid the direct connection method.

There are two models to choose from, the SGA indicates via audio the quality of connection and battery condition whereas the SGV provides visual and audio indication of battery condition and quality of connection.

Both C-Scope signal generators are compatible with any other 33kHz cable avoidance tool offering flexible compatibility with any existing cable avoidance equipment you may already have.

CABLE LOCATION

DIGITAL SIGNAL AVOIDANCE TOOLS

C.Scope CXL Cable Avoidance Tool

The NEW C.Scope CXL Cable Avoidance Tool is a high performance Locator developed using the latest in advanced digital signal processing technology. It is the most modern design of Locator available and will determine the exact location of buried pipes and cables immediately prior to any form of excavation work taking place, day or night.

Features

- Visual response provides the following: Battery condition indicator, Signal strength and Mode selected
- Digital display as well as the conventional audible response
- Superior 'natural' audible response rather than a digitally reproduced version
- Excellent signal to interference ratio leaving a clear, crisp signal response
- Provision for spare battery storage within the Cable Avoidance Tool
- Retractable loudspeaker that you can replace if it is damaged without the need to get the unit recalibrated
- Fully weatherproof design to IP65
- Bluetooth® Connectivity

DXL Advanced Pipe and Cable Locator

The NEW C.Scope DXL Cable Avoidance Tool is a high performance Locator developed using the latest in advanced digital signal processing technology. It is the most modern design of Locator available and can determine the exact location AND DEPTH of buried pipes and cables immediately prior to any form of excavation work taking place, day or night.

Features

- Depth Measurement
- Combined visual response AND clear audible response
- Visual response provides the following: Battery condition indicator, Signal strength, Mode selected
- Digital display as well as the conventional audible response
- Superior 'natural' audible response rather than a digitally reproduced version
- Excellent signal to interference ratio leaving a clear, crisp signal response
- Provision for spare battery storage within the Cable Avoidance Tool
- Retractable loudspeaker that you can replace if it is damaged without the need to get the unit recalibrated
- Fully weatherproof design to IP65
- Bluetooth® Connectivity

CABLE LOCATION

DIGITAL SIGNAL AVOIDANCE TOOLS

RD8000

The RD8000PDL and PXL are powerful successors to the industry standard RD4000PDL and PXL pipe and cable locators. The RD8000 improves on speed, accuracy and reliability yet remains a cost-effective solution for any application delivering unique user features. Designed with the latest digital software, RD8000 delivers a highly controllable and reliable locate solution to service any industry, anywhere in the world.

Key Features
Ergonomics
• Light weight – 28% lighter than industry standard RD4000
• IP54 Rating – you can operate it in almost any environment
• Transmitter and receiver feature a large, high contrast backlit LCD screen.

Rechargeable battery packs for Locators & Transmitters

C-Scope 33kHz Sonde Signal Transmitter

The C-Scope Sonde is a well known industry standard waterproof transmitter. Powered by 1 x AA battery this handy unit is compatible with all types of 33kHz cable locators, has a 5m range and can be attached to either drain rods or a flexi-rod for tracing conduits or drains. A spring coupling adapter can be used with a drain rod for greater manoeuvrability .

50m Flexitrace Pipe Tracer

The "Flexitrace" system gives a compact and labour saving solution when locating ducts and drains providing the benefits of a sonde and a continuous trace system in one compact unit.

Attach a Signal Generator to both terminals of the Flexitrace to energise the end coil as a sonde. The coil transmits a signal that indicates its position. The end coil housing contains no batteries and is therefore very compact compared with traditional sondes.

DRAIN DETECTION

Drain Inspection Camera 20 / 40 Mtr

The Dart Systems Drain Inspection Camera is supplied in the new design Industrial class case.

The system comes in its own storage box with a built-in LCD screen to review, monitor and record video footage in real-time.

Video footage can be recorded directly onto a USB memory stick (2GB recommended) allowing for video footage to be both viewed, stored and played back. With a Video out facility recodings can also be made directly to a media player or other recording device.

Features

- The kit includes the following:
- Inspection camera with 8 LEDs
- USB digital video recorder with remote control
- 40m fibreglass cable and stainless steel reel
- 12v rechargeable battery
- 18cm (7") TFT LCD screen
- Sturdy storage box into which all items mount/fit

GAS DETECTORS

Crowcon Gas Detector

Tetra is a unique multi-gas monitor for the detection of flammable gasses, oxygen and toxic gases that represents real value for money. Intrinsically safe, the Tetra is the only portable gas detector with embedded software designed to the exacting requirements of IEC 61508-3 guaranteeing reliable and dependable operation.

- Up to 4 gases in a small and lightweight design
- Single button operation for all functions, can be operated with gloved hands
- Rugged impact resistant design provides extra shock and vibration protection
- Reliable Lithium-ion battery provides over 16 hours continuous operation from a single charge with no memory effects.
- Water and Dust resistant to IP67, can be submerged in water
- Rapid and effective warning with a 95 dBa audible alarm, an extremely bright red/blue visual alarm.

DETECTION METERS

Protimeter Mini Moisture Meter Kit

Features
- Small handy size
- External moisture probe with extension Lead
- Simple operation
- Auto power off when left idle
- Ultra bright LED display
- 6 - 90% WME measurment range

Protimeter Aquant Non-invasive Moisture Meter

Features

- Range 0-999 Relative
- Digital LCD readout
- 60 LED's for second display
- Hold reading feature
- Up to ¾" depth of measurement
- Carry pouch with belt loop
- Powerered by 9v battery
- 1 Year parts and labor warranty

Protimeter SurveyMaster Moisture Meter

Features

- Dual search functions - invasive & non-invasive
- Distinguish between suface & sub surface moisture
- Dual LCD & LED displays
- Rugged & user friendly

Protimeter Hygromaster Kit 1

The HygroMaster can be used for a variety of applications:

- HVAC
- Building survey/home inspection
- Dampness diagnosis in buildings
- Flooring installation
- Specialty coating applications
- Flood restoration

Protimeter MMS Complete Moisture Survey Kit

Features

- Identify the presence of moisture on and below surfaces and beneath coverings like ceramic tiles
- Measure the relative humidity- dew point and temperature
- Confirm the presence - or otherwise - of condensation on surfaces
- Store results for download to PC

DETECTION METERS

Bosch GMS 120 Multi Material Cable Detector

Bosch GMS 120 Professional Multi Material Cable Detector, complete with Protective bag.

Features:

- Maximum reliability, all objects are found and application errors are avoided due to the automatic calibration
- Reliable detection even of deep-lying objects - up to a depth of 12 cm
- Reliable detection of objects due to three-colour LED luminous ring
- Pinpoint indication of the object's centre with the "Center Finder" scale

Bosch D-tect 150 Laser Wallscanner Detector

The future of detection technology - Precision of the highest order

Features:

- Ultra wideband radar sensor system for detection accurate to the millimetre of ferrous/non-ferrous metals, electrical cables, wooden beams and plastic pipes such as floor and wall heating pipes
- Precise detection of rebar in concrete up to 15 cm deep
- Digital display of material properties and maximum permitted drilling depth

MONITORING METERS

Vibrock 901 Vibration Monitors / Recorders

Vibrock 901 - single channel, 3-axis vibration analyser for continuous level recording or event monitoring of piling, ground vibration etc.,

Features:

- LCD display of current levels updated every 10 second
- Maximum level during last hour and maximum level during current measurement period.
- Up to 300 events or several weeks continuous recording may be stored in the non volatile memory
- Quick download to a PC.
- Uses 2 ordinary alkaline D cells which will power the system for up 20 days.

Inclinometer (Bosch GLM 80 + R60)

Bosch R60 Measuring Rail 600mm - For use with GLM 80 inclinometer function

Features:

- For use with GLM 80 Professional as a digital spirit level
- Additional horizontal and vertical bubble vial for fast indication of calibration
- Sturdy aluminium rail for high precision and durability

Product Specification

- Measurement accuracy, typical ± 0.05° bubble vial
- Length 600 mm
- Total Shipping Weight: 3kg

PRISM STATIONS

NPS 26 Leica Type Prism Station

Includes
- Prism and Target
- Carrier and Plummet
- Tribrach
- Prism Constant -34mm
- Hard Case

NPS 360˚ Prism

Features
- For Turnaround Reflection
- 360º angle for Automatic tracking Surveying and Robotic Total Stations
- Offset -10mm
- Leica or 5/8” Fitting

NPS 17 Universal Type Prism Station

Includes
- Prism and Target
- Carrier and Plummet
- Tribrach
- Prism Constant 0mm/-30mm
- Hard Case

NPS 11Topcon Type Prism Station

Includes
- Topcon Prism and Target
- Prism Carrier and Plummet
- Tribrach
- Prism Constant 0mm
- Hard Case

NPS 360˚ Mini Prism including Pole set

Features
- Turn Around Reflection
- 360˚ Angle
- Offset 4mm
- Mini Pole Sections

TPS-104 Mini Prism Set Including Case

Features
- Offset 0mm/-30mm
- Including Soft Case

TPS-112D Leica Type Mini Prism Pole Set

Features
- Constant -34mm
- Includes 4x30cm Poles
- Including Soft Case

TPS-115 Mini Prism Set

Features
- Offset 0mm
- Includes 4 x 600mm Poles
- Including Soft Case

Universal Mini Prism including Pole Set

Features
- Offset 0mm/-30mm
- Includes 5 x 30 cm Poles
- Including Soft Case

Prism Station Cases

Prism station cases available in soft case or hard case for equipment protection and transport.

ACCESSORIES

Adjustable Tripods

- Heavy duty aluminium clip type tripod
- Heavy duty wooden screw tripod
- Aluminium telescopic for machine control - 4m
- 3 m Aluminium telescopic tripod

Measuring Staffs

- Aluminium 5m x 5m Section E staff
- Aluminium Messfix “O” reading Laser Staff
- Fibre Glass E reading Staffs
- Bar coded staffs to use with Digital Levels

Detail Poles Heavy Duty Clip Type

2.5m Leica Type Fitting Prism Poles
2.5m 5/8 fitting joint Prism Poles

Hammers

Sledge Hammer. Complete with hard wood handle
Club Hammer. Paul martin Handle
Claw Handle. Tubular Steel Shank

Motorola Two-Way Radio

Motorola's diverse array of portable and mobile two-way radios and pagers offers solutions that better enable you to efficiently coordinate and communicate with your on-the-go workforce.

Benefits

- Application Partner
- Mobile Radios
- Portable Radios
- MOTOTRBO
- Two-Way Radio Accessories

MEASURING TOOLS

Chanton measuring tape

Robust; Excellent value

- Ergonomic grip, dual protected end hook
- Strong look and self-zeroing
- Available in 5 meter and 8 meter.

Fisco Tapes in all sizes

The ideal rugged shock absorbent tape measure for both professional and DIY use.

- Tough, rubber-like ergonomic case
- Positive action brake
- Automated blade return with protective bump stop
- Detachable belt clip
- Self zeroing end-hook
- Metric measurements
- 5m & 8m lengths available

Pacer Long Range Steel Tape

The Fisco Pacer is a heavy duty high specification tape designed for the professional user.

- Impact resistant moulded ABS frame with ground spike
- Tufcote polyester coated steel tape
- Low friction bearing for smooth rewind
- Long winding lever and easy grip handle
- Corrosion resistant end piece
- Low friction mouthpiece insert
- Metric measurements
- 30m, 50m & 100m lengths available

Robust heavy duty measurer

Available:

- Rail Track Measurer
- Land Measurer
- Truemeter Road Wheel
- Chanton Road Measuring Wheel

CONSUMABLES

Spray Paint & Crayons

Ideal for either hand spot marking or applicator use for line marking.

Permanent Aerosol Paint in a large 750ml can.
The paint is a blend of resins, solvents and colour pigments designed to cover with one application.

Pro-Line Chalk Lines

A professional grade, rugged construction chalk line with 1mm single twisted cotton line and a lockable winding handle. Complete with Free Tub of Chalk.

Also in Red, Blue Extra.

Chartwell Books

Printed in permanent ink. Sewn with rot proof thread Weather resistant books offer excellent archival properties. Covers can be folded back and their rounded corners save pocket ware.

Retro Reflective Targets For Total Stations

For use with all Total Stations in 3 Colours and grades for monitoring over long Periods on Sites.

Available:
- 25 mm
- 30 mm
- 40 mm
- 60 mm

CONSUMABLES

Timber Survey Marker Pegs/Profile Boards

A range of top quality, economic softwood stakes and profile boards for general survey projects, setting out and building work on site .

Wide 40 x 40 heads make for the easy attachment of reference nails or markers. (such as Site-Mark). The profile boards measure 70 x 90mm.

Available:
- 300
- 600
- 900
- 1200mm.

PK Nails

A superior quality, heavy duty, hardened steel survey nail. Gives maximum holding power with pinpoint accuracy. Once they are into masonary, they won't work loose. Available in five sizes to suit a variety of applications Supplied in boxes of 100.

Hilti-Type Nails

For hard surface penetration. Complete with steel support washer for use in DX450 cartridge gun.

Can be used by hand driving them into a variety of hard surfaces
Used for setting out control points.

Supplied in packs of 100.

Plumb Bobs / Builders Line

Precision machined from solid Brass/Steel with hardened points.
The sizes range from 32oz to suit a variety of applications.

RAILWAY TARGETS

Railway Targets

- All round visibility.
- No angle of cut errors.
- Range to 1mm = 70 metres. To 3mm accuracy 150 metres.
- 3 d coordinates returned for monitoring and setting out .
- Indefinitely re –usable quick application/retrieval in all weathers.
- Retro reflective with user defined constant of 5mm.

Network Rail approved in method statements.

EDM Retro-reflective monitoring target system provides a simple, cost effective solution for measuring rail tracks and structures accurately.

ACCESSORIES FOR ROTATING LASERS

VMOUNT

Tripod Vertical Applications Mount & Ceiling/Wall Mount

Perfect for the installation of drop ceilings. Features 5/8-11 mounting stud and heavy duty aluminum construction.

Make many applications easy and more versatile with adjustable platform.
Aids in the installation of drop ceilings.

Target G

Tripod Vertical Applications Mount & Ceiling/Wall Mount

Perfect for the installation of drop ceilings. Features 5/8-11 mounting stud and heavy duty aluminum construction.

Make many applications easy and more versatile with adjustable platform.
Aids in the installation of drop ceilings.

REPAIR & SERVICE

CALIBRATION

WARRANTY WORK

CHANTON

Our team is your strength

Quality state of the art workshops for your repair, service, calibration and warranty work

Our technicians are fully trained by the manufacturers and are qualified to carry out full optical and electronic repairs on all makes of surveying instruments, lasers and GPS equipment.

OUR SERVICES INCLUDE:

- HIGH TECH COLLIMATORS AND OSCILLOSCOPES ARE USED FOR THE REPAIR AND CALIBRATION OF OUR SURVEY INSTRUMENTS
- SERVICES AND CALIBRATIONS ARE CARRIED OUT ACCORDING TO MANUFACTURERS' SPECIFICATIONS.
- A CERTIFICATE OF CONFORMITY IS ISSUED IN ACCORDANCE TO ISO 9001.
- A FAST COLLECTION AND DELIVERY SERVICE IS AVAILABLE

CHANTON'S OTHER SERVICES

Training

TOPCON Leica Geosystems SOKKIA PLS

CALL OUR SPECIALIST TECHNICIANS FOR HELP AND INFORMATION

London	Midlands	Southern	E-mail	WEB
020 8900 9022	01530 518880	01386 722378	sales@chanton.co.uk	www.chanton.co.uk

Chanton Sales

Today Chanton Survey & Laser is recognised as one of the leading-providers of surveying equipment to the construction and allied industries. Available is a full comprehensive range of modern, reliable and accurate surveying instruments and lasers from a range of manufacturers to meet every requirement.

Lease Purchase

We offer attractive interest rates to purchase new equipment and spread the cost over a number of years. This has the benefit of easing cash flow with the added benefit of allowing you to own the equipment.

Fleet Management

Chanton Survey can offer a cost effective solution to manage your own equipment and can be tailored to suit your needs. For full details of this service please contact out fleet hire management team.

Service and Repair Department

Chanton Survey and Laser department offer excellent service and repair facilities for all types of surveying and laser equipment.

Instrument Hire Service

The Latest Technology at your Fingertips.

Chanton Survey Hire Fleet consists of a range of top quality equipment from various manufacturers to ensure that you have all the benefits of the latest technology.

Call our specialist equipment team for help and information

TO PLACE AN ORDER

London HO

Phone: 0 208 900 9022
Fax: 0208 900 9055

Chanton House,
498 Sunleigh Road, Alperton,
Middlesex, HA0 4PT

Southern

Phone: 01306 732370
Fax: 01306 743299

Unit 6, Tillingbourne Court
Station Road, Dorking Business Park,
Dorking, Surrey, RH4 1HJ

Midlands

Phone: 01530 518800
Fax: 01530 518801

Brunel Way
Stephenson Industrial Estate
Coalville, Leicestershire
LE67 3HF

Shop on-line

www.chanton.co.uk

For more information email:
sales@chanton.co.uk

CHANTON CONSTRUCTION SERVICES

Land and Engineering Surveys

Accurate survey information about sites, land, buildings and other installations are vital to the success of any construction project, detailing topography, building and terrain modeling.

Our teams utilise the latest technology in hardware & software to tailor our product to suit your requirements. For over forty years Chanton has conducted surveys for many leading contractors, developers, architects and engineers.

Using the highest quality equipment our surveyors will provide you with the information you require on computer plotted drawings or on disc in most popular digital formats as required. Having specialists and their expertise on your team will strengthen your ability to achieve success. Our teams are qualified and trained in the use of the latest surveying techniques and equipment. Whether it be GPS (Global Positioning Systems) or High Precision Control to Laser Scanning, we cover all your requirements.

Contact us at Chanton to discuss your surveying requirements. We will be able to provide survey results and plots in any format from DWG, DXF and PDF in all sizes up to AO drawings.

Technical Training

Chanton Group PLC offers training courses in most areas of engineering and surveying practices.

Chanton has been serving the construction industry for over 40 years and can boast working on some of Londons most prestigious projects. Our in house training allows students, managers and site personnel to gain knowledge and experience in all survey and engineering setting out procedures together with training on the latest survey instruments and laser systems. Chanton are able to tailor a training package to suit both individual and company requirements.

Areas covered are:

- Use of Total Stations
- Setting Out Procedures
- Upload & Download of Digital Data
- Survey & Setting Out Control
- Co-ordinate Systems
- Errors & Adjustment
- Engineering Leveling

Recruitment

Chanton have a firm foundation in recruiting for the building environment with over 40 years experience. Our Construction consultants are specialists from the Building and Civil Engineering industry, and have in-depth understanding of our client and candidate requirements. We specialise in the recruitment of construction personnel including site managers, site engineers, surveyors, tradesmen, site labour and machine drivers.

As a Quality accredited company, Chanton understand the importance of total quality management. We ensure that all our staff and operators are fully conversant with current safety legislation and carry their own PPE and have full CSCS certification prior to going on site.

With over 40 years in the construction industry, Chanton's reputation has been built on providing the right calibre of engineers and technical staff for our clients needs.

This specialist service is unequalled in the building and civil engineering industry, and we pride ourselves on providing a quality service and site support. Chanton have always believed that the right management team on site is essential to achieve the best results.

Providing the right manpower is the key to a successful project and that is what we at Chanton do best!

Chanton's enviable & impressive record has been built by supplying the right labour requirements to fill our clients demands, in the right quantity, with the right skills and at the right time! Your projects need a reliable source of labour to meet your production & programme deadlines.

Chanton can provide that workforce to get the job done!

Our experienced staff understands the job characteristics and labour requirements, making your job easier. Whether bricklayers, carpenters, electricians, plumbers or general labour, Chanton can supply at short notice.

CHANTON

Our team is your strength

OVER FORTY YEARS 40 OF STRENGTH

Sales & Enquiries:

London HO
Phone: 0208 900 9022
Fax: 0208 900 9055

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498 Sunleigh Road,
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Station Road, Dorking
Business Park,
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CHANTON'S SERVICES

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